

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): An information providing  
2 apparatus for acquiring contents data representing a high  
3 quality still image from a service providing apparatus capable  
4 of storing the contents data and of transmitting the contents  
5 data in response to a request, and for providing the said  
6 ~~acquired~~ contents data in a direct format or in a converted  
7 format, said information providing comprising:

8 reproducing means for reproducing the contents data;

9 ~~image data~~ picture data relaying means for relaying still  
10 picture data ~~originated~~ obtained from the contents  
11 data reproduced by the reproducing means;

12 moving picture coding means for producing compressed

13 moving picture data having a high image quality from  
14 the still picture ~~image data~~ obtained from said  
15 picture data relaying means, said producing being

16 performed by way of a stepwise image quality

17 complementary type coding system ~~corresponding to a~~  
18 ~~coding system~~ for complementing an image quality in  
19 a stepwise manner, and for transmitting the  
20 compressed moving picture data to the user terminal  
21 to display a still display picture; and

22 control means for determining an area of the still

23 picture data coded into the compressed moving  
24 picture data in response to a manipulation made from  
25 the user terminal, and ~~capable of~~ for notifying the  
26 determined area to the moving picture coding means.

1 Claim 2 (currently amended): An information providing  
2 apparatus as claimed in claim 1, wherein

3        said control means is capable of producing a control  
4        signal used to change the reproducing state of the  
5        reproducing means by receiving a manipulation of the  
6        user terminal, and is capable of transmitting the  
7        control signal to the reproducing means; and wherein  
8        the moving picture coding means produces compressed  
9        moving picture data from ~~such~~ said still picture  
10       data, the content of which is sequentially changed  
11       by changing a setting condition of a coding process  
12       operation, ~~if necessary~~.

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1       Claim 3 (currently amended): An information providing  
2       apparatus as claimed in claim 1, wherein the moving picture  
3       coding means also produces audio data having a designated data  
4       format from audio data contained in the contents data, and  
5       also produces multiplexed AV data by multiplexing the  
6       compressed moving data with the audio data, and transmits the  
7       multiplexed AV data to the user terminal.

1       Claim 4 (currently amended): An information providing  
2       apparatus for providing data to a user terminal in response to  
3       a request, comprising:  
4       storing means for storing contents data including still  
5       picture data;  
6       reproducing means for reproducing the contents data;  
7       picture data relaying means ~~image data~~ for relaying  
8       the still picture data originated from the contents  
9       data reproduced by the reproducing means;  
10       moving picture coding means for producing compressed  
11       moving picture data having a high image quality from  
12       the still picture image data by way of a stepwise  
13       image quality complementary type coding system  
14       ~~corresponding to a coding system~~ for complementing  
15       an image quality in a stepwise manner, and for

16 transmitting the compressed moving picture data to  
17 ~~the~~ a user terminal for displaying a still display  
18 image; and  
19 control means for determining an area of still picture  
20 data coded into the compressed moving picture data  
21 in response to a manipulation made from the user  
22 terminal, and ~~capable of~~ for notifying the  
23 determined area to the moving picture coding means.

1 Claim 5 (currently amended): An information providing  
2 apparatus as claimed in claim 4, wherein  
3 said control means ~~is capable of~~ is also for producing a  
4 control signal used to change the reproducing state  
5 of the reproducing means by receiving a manipulation  
6 of the user terminal, and ~~is capable of~~ further for  
7 transmitting the control signal to the reproducing  
8 means; and wherein  
9 the moving picture coding means produces compressed  
10 moving picture data from ~~such~~ the still picture  
11 data, the content of which is sequentially changed  
12 by changing a setting condition of coding process  
13 operation, ~~if necessary~~.

1 Claim 6 (currently amended): An information providing  
2 apparatus as claimed in claim 4, wherein the moving picture  
3 coding means also produces audio data having a designated data  
4 format from audio data contained in the contents data, and  
5 also produces multiplexed AV data by multiplexing the  
6 compressed moving data with the audio data, and also transmits  
7 the multiplexed AV data to the user terminal.

1 Claim 7 (new): An information providing system for  
2 acquiring content data from a service providing system,  
3 wherein the content data represents a high quality still

4 image, said information providing system comprising:  
5 moving picture coding means for producing compressed  
6 moving picture data from the content data using a  
7 stepwise image quality complementary coding system;  
8 and  
9 transmitting means for transmitting the compressed moving  
10 picture data to a mobile terminal, wherein  
11 the mobile terminal displays a still display image  
12 representing the high quality still image from the  
13 compressed moving picture data.

1 Claim 8 (new): The system of claim 7, wherein the mobile  
2 terminal displays the display image in progressively more  
3 detail over some period of time.

1 Claim 9 (new): The system of claim 7, wherein the mobile  
2 terminal is a mobile terminal capable of displaying compressed  
3 moving picture images.

4 Claim 10 (new): The system of claim 9, wherein the  
5 mobile terminal is a PDA or a portable telephone.

1 Claim 11 (new): The system of claim 7, wherein the  
2 mobile terminal is a PDA or a portable telephone.

1 Claim 12 (new): The system of claim 7, further  
2 comprising control means for determining an area of a portion  
3 of the display image, wherein the portion is chosen by a user  
4 manipulation at the mobile terminal, and wherein the control  
5 means provides the determined area to the moving picture  
6 coding means.

1 Claim 13 (new): An information providing system for  
2 acquiring content data from a service providing system,

3 wherein the content data represents a high quality still  
4 image, said information providing system comprising:  
5 moving picture coding means for producing compressed  
6 moving picture data from the content data using a  
7 stepwise image quality complementary coding system;  
8 and  
9 transmitting means for transmitting the compressed moving  
10 picture data to a mobile terminal capable of  
11 displaying compressed moving picture data, wherein  
12 the mobile terminal displays a still display image  
13 representing the high quality still image from the  
14 compressed moving picture data.

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1 Claim 14 (new): The system of claim 13, wherein the  
2 mobile terminal is a PDA or a portable telephone.

1 Claim 15 (new): The system of claim 13, wherein the  
2 mobile terminal displays the still display image in  
3 progressively more detail over some period of time.

1 Claim 16 (new): The system of claim 13, further  
2 including control means for determining an area of a portion  
3 of the display image, wherein the portion is chosen by a user  
4 manipulation at the mobile terminal, and wherein the control  
5 means provides the determined area to the moving picture  
6 coding means, which then produces new compressed moving  
7 picture data from the content data using the stepwise image  
8 quality complementary coding system, wherein the new  
9 compressed moving picture data corresponds to the chosen  
10 portion of the display image for displaying the chosen portion  
11 on the mobile device in a larger fashion.